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For more information please contact  
**Philips Lighting Electronics**  
**Asia Pacific Headquarters**  
Building 1, No. 889 Yishan Road  
Shanghai 200233, China  
Tel: + 86 21 6485 5330  
Fax: + 86 21 6485 2213  
E-mail: [deborah.jiang@philips.com](mailto:deborah.jiang@philips.com)

## General performance

The electrodes in a fluorescent lamp need to warm up before the lamp is fully lit, which is why fluorescent lamps take time to respond to being switched on. To cut down on response times, some systems apply a high ignition voltage – higher than the mains voltage – to start the lamp faster. This works well but at the significant cost of reducing the lamp's lifetime. Over time, the cost of these traditional instant start systems begins to show in the unnecessary outlay on replacement lamps. With the HF-PERFORMER, Philips has solved this problem by introducing a program start, a special IC circuit that preheats the lamp's electrodes ready for the time they are needed. This program maximises lamp life and reduces costs.



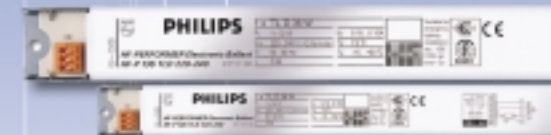
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excellent lighting begins with us



**Ballasts**  
for  
fluorescent lamps



HF-PERFORMER



**PHILIPS**

*Let's make things better.*



## Benefits

The premium range of electronic ballasts from Philips, the HF-PERFORMER, is designed for 'TL'D', 'TL', 'TL'5', 'TL'5C', PL-L, PL-C and PL-T fluorescent lamps. The range offers maximum comfort on every level, just as you would expect from the world's leading supplier of ballasts. Constant lamp power regardless of voltage changes guarantees operation and optimum light levels for the HF-PERFORMER's lifetime.

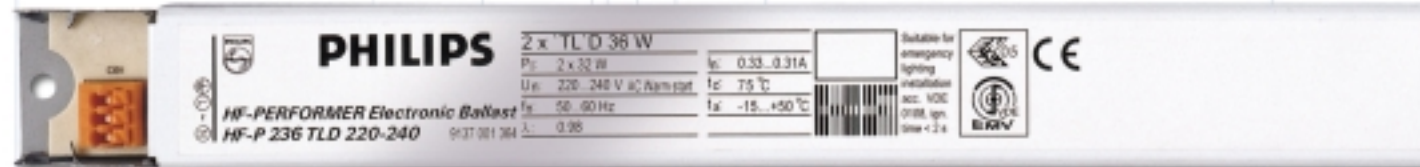
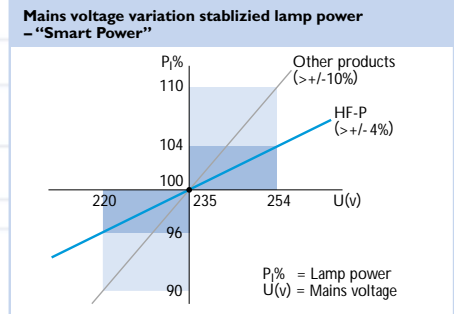
The reliability of the HF-PERFORMER is enhanced by its manufacture in an environment compliant with ISO 9001. ISO 14001 certification of the manufacturing process gives customers the peace of mind that comes from knowing the products they use are made in an environmentally responsible way. The range complies with demanding international safety and performance standards, including IEC 928 safety and IEC 929 performance standards.

The units are protected against excessive mains voltage and incorrect connections, with the additional safety feature of an automatic stop circuit in the event of lamp failure. The intelligent ballast resets automatically once the lamp is replaced. Thanks to program start pre-heating of the lamp's electrodes, the durable HF-PERFORMER ballasts are perfect

for exacting maximum life from the lamps they serve, even in environments where lights are frequently switched on and off.

The combination of long life (both of the ballasts and the lamps they serve) and the HF-PERFORMER's reduced energy consumption – up to 25% – makes the HF-PERFORMER the obvious choice for environments where quality and cost are both priorities.

Product portfolio		
Lamp family	Wattage	Quantity of lamps on one ballast
'TL'D	18W, 36W, 38W, 50W 58WV, 70W	1, 2, 3 or 4 lamps
'TL'5-HE	14W, 21W, 28W, 35W	1, 2, 3 or 4 lamps
'TL'5-HO	24W, 39W, 49W, 54W	1 or 2 lamps
'TL'5C	22W, 40W	1 lamp
PL-L	18W, 24W, 36W, 40W, 55W	1 or 2 lamps
PL-C	13W, 18W, 26W	1 or 2 lamps
PL-T	18W, 26W, 32W, 42W	1 or 2 lamps



*The HF-PERFORMER range of electronic ballasts provides premium lighting comfort efficiently, cost-effectively and with maximum stability, safety and flexibility.*